

### ABSTRACT OF THE DISCLOSURE

A method for construction WVPN for CDMA system so that mobile communication network can be used as private network of subscriber. Services are provided through existing mobile telecommunications without separate private network system by registering private network and extension to SCP. MSC acts as PBX of private network. A subscriber of the service can use virtual private network only by registering a private network information and extension number to the SCP in the MSC. The virtual groups are registered to the SCP. When a subscriber calls an extension using the mobile phone, WVPN is constructed within cellular system to route call by the same call routing path with normal call voice traffic within cellular system. Subscribers can also use the same mobile stations as extension terminals when operating in the corporate environment, thereby enabling the use of a private network service with a mobile network.